

APPARATUS FOR REMOVING SULFUR-CONTAINING
COMPONENT IN FUEL

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ABSTRACT OF DISCLOSURE

There is provided a desulphurization apparatus to be
mounted in automobiles, which is arranged between a fuel
tank and an injector of an engine, the apparatus
comprising a combination of a sulfur-containing compound
adsorbent for adsorbing and concentrating the sulfur-
containing compound and a sulfur-containing compound
oxidizing agent or oxidation catalyst for oxidizing the
adsorbed sulfur-containing compound, the apparatus
further comprising a means for recovering and removing
the resulting sulfur-containing oxide. According to this
apparatus, the quantity of the particulate matter in an
exhaust gas is reduced by half and the durability of the
catalyst for removing a nitrogen oxide is improved by a
factor of about two.